

MIT's
Oldest and Largest
Newspaper



WEATHER, p. 2

FRI: 72°F | 45°F
Mostly sunny
 SAT: 64°F | 46°F
Mostly sunny
 SUN: 66°F | 48°F
Mostly sunny

Alec Lai resigns
as UA VP-elect

*Citing frustrations with UA
leadership, Lai leaves 2 posts*

By Rebecca Han
STAFF REPORTER

This past Wednesday, Alec C. Lai '13 submitted a letter to the Undergraduate Association (UA) and undergraduate student body, resigning from his positions as UA secretary general and vice president-elect. Lai expressed general discontent with what he perceived as a lack of respect and cooperation within the student government, particularly aimed at authority figures whom he considered "megalomaniac[al]."

This stands in contrast to the high hopes Lai harboured during his campaign in March 2011. Lai also hinted at what he saw to be a negative turn in his relationship with his running mate and president-elect Allan E. Miramonti '13, post-election: "I don't know if it's personality, or what, but the change has surprised me." In a March 7 interview with *The Tech*, the pair had been "confident in our ability to work as a team ... we complement each other well."

Now, a month later, Lai has not communicated with Miramonti since his resignation. Lai says he had mentioned the possibility of his resignation to Miramonti in prior conversations. "It came up twice," said Lai. "If he didn't take me seriously, it's not my fault."

Miramonti issued a statement to *The Tech* yesterday,

thanking Lai for his past contributions, and touched on the UA's next step. "Rest assured, [we are] poised to have an active and beneficial year," wrote Miramonti. "[I] will continue to search for people with a drive to improve student life at MIT. The Judicial Committee is currently working on how best to fill [the vice president-elect] vacancy, and I will move forward once that process has been decided."

According to UA President Vrajesh Y. Modi '11, the Judicial Board will interpret the UA Constitution and explain what steps need to be taken.

"I gave some people a heads-up, and I believe there are many people who can fill in my secretary general role," said Lai. "As for my position as Vice President-elect ... I fundamentally disagree with the principles of the [UA] society so I feel it would be inappropriate for me to have my hands all over what happens."

Asked why he had persisted in running despite what he saw as "frustrations throughout the year," Lai said he had considered the setbacks to be "a learning experience ... even if I disagreed, I thought 'well, if I stay on for a few more months, then it's almost our turn to take charge.'" According to Lai, the final straw was what he foresaw

UA resignation, Page 19



Students throw colored powder in celebration of the spring season at MIT's Holi celebration on Sunday. Holi is celebrated widely in South Asia. For more photos of the event, p. 10.

BIYEUN M. BUCZYK—THE TECH

First MIT open house in 30 yrs.
MIT opens its doors to the curious and inquisitive world

By Pearle Lipinski
NEWS AND FEATURES DIRECTOR

Tens of thousands of the public are expected to descend upon MIT's campus tomorrow for the Institute's first open house in over 30 years.

"It is possible that 20,000 to 30,000 people or more will be on campus for this wonderful day," wrote John DiFava, director of facilities operations and security, in a letter to the members of the

MIT community.

Plans have been made to accommodate from 10,000 to 50,000 attendees; in comparison, commencement usually has around 10,000–13,000 attendees. This number is estimated from replies to invitations sent to Massachusetts school districts, the estimated attendance of the Cambridge Science Festival, and looking back at the previous open houses, according to Paul A. Lagacé '78, open house co-chair.

Good weather is expected to draw more attendees.

Lagacé, who was a student during the Institute's last open house in 1980, said that the planning for this year's open house reaches back to President Susan J. Hockfield's inauguration in 2005. "We started talking about [an open house] again in terms of the MIT150 celebration, and it made a lot of

Open house, Page 17

Cambridge-MIT
Exchange shrinks
Program will field fewer students

By Leo Zhou
STAFF REPORTER

Along with the rest of the U.K., the Cambridge side of the Cambridge-MIT Exchange (CME) Program is facing financial troubles this year. The number of students that the program can admit this year dropped to 15 each from Cambridge and MIT, down from 20–30 each in past years.

According to Malgorzata Hedderick, Associate Dean of Global Education, the U.K. education sector faced significant cuts amidst the economic downturn. As a result,

the University of Cambridge was forced to make cuts, and terminated the central-level funding for the CME program.

Because Cambridge as a whole will no longer fund the CME program, each individual department will need to find its own funding to continue sending students to MIT.

The engineering department was the only department at Cambridge able to find funding for their students. According to the department's website, support from BP has enabled them to send 15 stu-

CME, Page 16



MANOHAR SRIKANTH—THE TECH

Night of Numbers, a set of lighted numbers with special significance to MIT, was installed on buildings across campus by Praveen Subramani G and Anna A. Kotova '10 for the MIT150 FAST Arts Festival. It uses LCD projectors to put these special numbers and related phrases in the Wiesner Building plaza and on the Landau Building.

UNDERSTANDING
THE GENDER GAP

Keith Yost and Michael Veldman spar off on one of MIT's toughest problems. **OPINION, p. 6**

MUSIC, MUSIC, MUSIC

Our arts writers have been busy this month. **ARTS, p. 14–15**

A-M-A-Z-I-N-G

Once again, MTG's *Spelling Bee* spells our socks off! **ARTS, p. 14**



アニメボストン

The Anime Boston convention is more than just anime — characters from across the pop culture world showed up. **p. 13**

ZONING PETITION
RELEASED

See MIT's vision for the future of Kendall Square. **NEWS, p. 18**

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Bomb strikes Moroccan cafe, killing mostly foreigners

By Michael Slackman and Souad Mekhennet
THE NEW YORK TIMES

A powerful bomb blast in a crowded Moroccan cafe killed at least 14 people, wounded dozens of others, and shattered the relative calm in a corner of the Arab world overwhelmed by uprisings and deadly government crackdowns.

The bombing was timed to maximize fatalities in one of North Africa's most popular tourist destinations, striking the city of Marrakesh as crowds sat down for lunch. The attack appeared to be the work of a suicide bomber, though there was no immediate claim of responsibility, according to a senior intelligence official who requested anonymity because he was not authorized to speak to the media.

News agencies reported that at least three Moroccans and 10 foreigners, including several French citizens, were among the dead.

The explosion blew out the front and the roof of the Argana restaurant, in Djemma el Fna square, a public space in the heart of Morocco's cultural capital that is regularly packed with vendors and tourists. The crowds filling the square Thursday as the tourist season began were knocked back, then frozen in shock from the blast and then the scene as ambulances and the police rushed in.

"There was a huge bang," one tourist in the square, Andy Birnie of London, told The Associated Press. "There was debris raining down from the sky. Hundreds of people were running in panic, some towards the cafe, some away from the square."

Images from the square showed the devastation of the attack: the cafe floor splattered with blood, a body beneath a blanket, rubble blown out into the plaza, which was packed with people surveying the destruction.

The bombing was as deadly as it was perplexing. Although it bore the hallmarks of radical Islamists, Marwan Shehadeh, an expert in such movements, said he would not have expected Islamists to attack because the government recently gave in to some of their demands and released some militant leaders. He also said that the attack on civilians was inconsistent with the work of a separatist movement, Polisario, in Western Sahara, which has focused over the years on government targets.

However, Mansouria Mokhefi, who heads the Middle East and Maghreb program at the French Institute for International Relations, said it was possible that al-Qaida in the Islamic Maghreb, the network's North African affiliate, might have felt compelled to attack "as a way of reminding people that they still exist" at a time when secular protesters are dominating the world news.

The official Moroccan news agency said King Mohammed VI sent his condolences to the families of the dead and offered to pay for burials. President Nicolas Sarkozy of France issued a statement condemning the bombing, which he called a terrorist attack.

Though Morocco has remained relatively calm, especially when compared with the civil war racking Libya, it, too, has festering domestic conflicts. It has struggled in recent years against the spreading reach of Qaida-aligned terrorists oper-

ating in North Africa. In 2003, 33 people were killed in five simultaneous bombings attributed to radical Islamists.

And the separatist movement in Western Sahara to the south, which has been aided by Algeria and Moammar Gadhafi of Libya, is decades-old.

Like other North African nations, Morocco has been concerned about the possible spillover from the violence and chaos in Libya, worrying that militants could get hold of weapons more easily. And in recent months, like much of the region, the country has seen increased calls for democratic reform.

The king is relatively popular, having pushed for some political and economic liberalization and increased women's rights since taking power 11 years ago when his father died. Still, the king continues to wield absolute authority on all political matters.

As the Arab Spring rolled out, he responded to protests in Morocco with promises to meet many of demonstrators' core demands for change, including allowing for a more representative Parliament and an elected prime minister. But he has yet to deliver.

Now Thursday's attack threatens to stress the nation's already troubled economy and its roughly \$8 billion tourism industry. More than 9 million people visited the country last year, according to statistics from the state news agency.

Shehadeh, the expert in Islamic extremism, raised the prospect that the government would point to the violence as a reason to delay its promised reforms — a move that officials have not themselves raised.

As wedding nears, London awaits spotlight on the royals

LONDON — As last-minute preparations drew to a close, London braced Friday for a royal wedding that promises to be one of the largest and most widely watched events here in recent memory.

The police expect that hundreds of thousands will throng the city's streets for the morning wedding of Prince William and Kate Middleton, craning for a glimpse of the royal family and the 1,900 other dignitaries gathering at Westminster Abbey. The crowds themselves will be watched by 5,000 police officers, according to the Metropolitan force, and an estimated 8,500 journalists and support staff from around the world are also present.

Hundreds of millions more worldwide are expected to watch on television, and dozens of temporary studios, filled with presenters speaking as many languages, have been built against the backdrop of a floodlit Buckingham Palace.

And Britain's National Grid, the company that provides the nation's electricity infrastructure, has estimated that 400,000 kettles will be boiled in households here after the royal couple exchange their vows, as the domestic television audience celebrates with cups of tea.

Westminster Abbey, the ancient white church overlooked by the Houses of Parliament, has been transformed by four tons of foliage, including eight 20-foot-high English field maple trees. A final wedding rehearsal took place there Thursday morning.

—Ravi Somaiya, *The New York Times*

John Paul's sainthood, like his papacy, proves polarizing

VATICAN CITY — Starting Sunday, Pope Benedict XVI will preside over the biggest spectacle since his own installation in 2005: a beatification Mass that will move his adored predecessor one step closer to sainthood.

The beatification is widely seen as a way not just to honor Pope John Paul II but also to energize the Roman Catholic Church after a rough patch. Yet, like John Paul's 26-year papacy itself, it has already become intensely polarizing.

For one thing, Benedict waived the traditional five-year wait and began the process just weeks after John Paul's death, and critics across the Catholic spectrum have questioned the haste. Others say the vast sex abuse crisis that came to light under John Paul is grounds against sainthood. On Saturday, at least one victims' group is planning a worldwide protest.

Defenders, however, say the beatification is simply the formal seal of approval for a wildly popular pope who helped bring down Communism and whom many Catholics already consider a saint. The festivities are expected to draw hundreds of thousands to Rome, the biggest crowds since 2005, when cries of "Santo subito!" or "Sainthood now," erupted at John Paul's funeral Mass.

—Rachel Donadio, *The New York Times*

US envoy says rights in China 'backslide'

By Michael Wines
THE NEW YORK TIMES

BEIJING — The chief U.S. representative to human rights discussions with China offered a cheerless portrait of those talks after their conclusion Thursday, saying the United States was worried by "a serious backsliding" of freedoms in China and at loggerheads with Beijing officials over many aspects of the issue.

"Our disagreements are profound," the envoy, Assistant Secretary of State Michael H. Posner, said at a news conference at the U.S. Embassy here in Beijing, even as he expressed optimism that China's rights situation would improve over time.

In the two days of talks this week, however, Posner indicated that Chinese officials offered few if any concrete responses to U.S. queries about the conditions of the human rights and legal activists who have been seized or imprisoned by Chinese authorities. And he said that the talks, while "respectful in tone," were colored with new seriousness on both sides by the perception that disagreements between the nations had widened.

"I don't think anybody stood up and said, 'Oh yeah, things have gotten worse,' except me," he said. But, he added, "there's no question that the atmosphere is different, because the facts are different."

Since imprisoned dissident Liu Xiaobo was awarded the Nobel Peace Prize in October, Chinese authorities have detained, imprisoned or harassed hundreds of critics, lawyers, bloggers, writers, and other gadflies deemed a threat to the state's security. The pace of detentions and harassment accelerated markedly this spring after pro-

democracy uprisings in the Middle East prompted an anonymous online campaign for a "jasmine revolution" in China.


In the discussions, Posner said, U.S. officials raised special concerns about a growing crackdown on lawyers who defend human rights advocates and dissidents. They included Teng Biao, a lawyer and professor who has not been heard from since he vanished in February; Chen Guangcheng, a blind self-taught lawyer and civil rights activist who has been under house arrest since September; and Gao Zhisheng, an internationally recognized rights lawyer who vanished in April 2010 shortly after having been freed from a previous confinement.

The officials also asked the Chinese for information on Ai Weiwei, the artist and social critic who has not been seen since he was seized this month, and Liu Xiaobo's wife, Liu Xia, an artist and poet who has been held incommunicado in the couple's apartment since her husband was named a Nobel laureate. And they asked about Xue Feng, an American geologist sentenced to eight years in prison in July on charges of stealing state secrets after he bought a database on China's oil industry.

Posner did not detail the Chinese response to each case, but his description of the government's answer to queries about Ai appeared to be the norm.

"On that case," he said, "we certainly did not get an answer that satisfies. There was no sense, no sense of comfort from the response or the language."

The annual human rights dialogue, a staple of the diplomatic relationship, has long been a irritation to the Chinese.

<div>MIT +150 INVENTIONAL WISDOM</div>	<div>M I T 1 5 0 S Y M P O S I A</div> <div>Brains, Minds and Machines</div> <div></div>
	<div>Tuesday-Thursday May 3-5, 2011 Kresge Auditorium</div>
	<div>This symposium is inspired by the old dream of understanding the mind and the brain, which was at the core of several new fields created at MIT during the '50s and '60s. The same dream is now the main motivation for a new Intelligence Initiative (I²). The Brains, Minds and Machines events will run over three days, with panel talks involving several Nobel laureates and personalities from academia and industry.</div>
	<div>The symposium sessions will include:</div> <ul style="list-style-type: none">■ Roots of Artificial Intelligence, Cognitive Science, and Neuroscience■ Vision and Action■ Language and Thought■ Social Cognition and Collective Intelligence■ Nature and Nurture■ Consciousness and Intelligence■ The Marketplace for Intelligence
	<div>More information</div> <div>A complete program and registration information are available online: mit150.mit.edu</div>
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Leaders of the Undergraduate Association must respond to the resignation of vice president-elect Alec C. Lai '13 on Wednesday by redoubling their efforts for organizational restructuring. Lai's letter of criticism (reprinted on p. 5) amplifies previously noted frustrations about undergraduate governance and its leaders, but it does not substantially alter our interpretation of the problems in the UA. It should not derail the new committee on restructuring, which is currently the UA's best bet for moving beyond their current challenges.

In addition to understanding the general student perspective, the UA and DormCon should listen closely to voices of dissatisfaction from within their respective organizations.

Nearly every student at MIT is represented by multiple bodies (e.g., fraternity brothers are represented by both the Interfraternity Council and the UA), and it is not clear where one organization's responsibilities begin and another's end. Undergraduate leaders, especially in the UA, find themselves in the unenviable position of needing to represent competing interests simultaneously. A complicated undergraduate governing structure at MIT also makes it difficult for student representatives to have productive, reciprocal dialogues with MIT's deans, staff, and faculty leadership. The Dean for Student Life should know exactly where to turn in order to understand student opinion — be that a single undergraduate leader or a small, cohesive, efficient body.

We are also concerned that most students don't understand how representative bodies are designed to represent their interests. It is not clear to students how UA policy committees and Institute Commit-

The UA, then, is at a critical time in its history. In order to address core undergraduate governance issues, the UA recently attempted — and failed — to pass a sweeping

However, reform is still imperative. In addition to understanding the general student perspective, the UA and DormCon should listen closely to voices of dissatisfaction

from within their respective organizations. A string of recent UA resignations, culminating in the vice president-elect's on Wednesday, underscores serious organizational problems. To be clear: Every student organization has problems, and that will not change. The UA is not and will not ever be perfect, but in their role as student representatives of

To that end, the UA must earn the time and commitment of their members. The atmosphere and personal interactions that all UA members face must resonate with what we suspect are the members' own goals: improving student life at MIT.

Above all else, the UA must avoid the kind of acrimonious debate that has characterized some of their restructuring process so far. With intense commitment to an organization like the UA, we understand it can sometimes be easy to lose perspective. But at the end of the day, the UA is about student government; nobody's life is on the line. UA members must be respectful to other UA members, even amidst disagreements. Pure, unadulterated criticism of others — especially in an all-volunteer organization — is the road to failure.

While not as pressing, we also call on the UA — and other student governments — to adopt a similar approach with the deans, faculty, and staff at MIT. Having understanding, functional, and professional relationships with MIT officials who make student policy is the best way for a student organization to make the kind of progress they seek.

Restructuring efforts must keep these principles at heart, and those on the current restructuring committee must remember the fundamental reason they joined student government: to improve student life. The common ground on all

sides is larger than some may think, and the restructuring committee should remember not to stray far from it. A revised, improved UA will unite students, bring them together, and fairly resolve important campus policy questions. While they have a long road ahead of them, undergraduate leaders should find comfort in the value of their purpose.

An article published Tuesday incorrectly stated that IDEAS Competition teams competed for \$15,000. Any team could receive a maximum of \$25,000 through a combination of three types of awards: IDEAS Awards (\$5,000, \$7,500, or \$10,000); Global Challenge Juried Awards (\$10,000); and Community Choice Awards (\$5,000). Winners will be announced on Monday at 7 p.m. in Kresge Auditorium.

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GUEST COLUMN

Why I’m resigning

Pervasive negativity and bureaucracy demotivate members and undermine the UA

By Alec C. Lai

The Undergraduate Association (UA) is currently in a state of turmoil and change. Internal conflicts have hindered the UA from performing at its full capacity. Recently, the UA decided to focus on governmental restructuring, convinced that the current structure is the root of the problem. That, however, is not the main issue that the UA faces. The following casts light on the psychosocial situation.

First, many members of the UA **do not have respect** for the Association and its members; these members include some of the higher decision makers in the UA, influencing the entire group with their negative attitude, one that is surely not conducive to teamwork. Those that are considered “incompetent” are quickly disparaged, discouraged, and even discarded. We do have a relatively young Senate and Exec this year, as presented in the State of the UA speech at the beginning of the Fall 2010 semester, but this was a chance to take the time and effort to cultivate new leaders. To my dismay, the lack of such spirit has led to a multitude of resignations instead.

Though this inherently poses a problem, it would be less of one if the **leaders were not so megalomaniacal**. This arrogance creates a pervasive attitude within the UA to belittle and dismiss rather than to foster cooperation with other members. We see that when a mistake is made in Senate, many members do not hesitate to mention, and sometimes humiliate, the person that made the mistake. This prevents the many new members that are still learning the ropes from participating. We claim that senators are too quiet and don’t speak their mind on issues but are quick to dismiss their opinions if they do speak up, creating an impossible environment for them to gain confidence and leadership skills. As an example, verbatim minutes were mandated this year, in my opinion, not as a form of archiving history but as one to hold people (both administration and members) accountable for every word said.

The combination of these factors leads to **the bureaucracy that has come to characterize the UA**. Many officers are more involved with hoarding their power than to cooperate and reallocate their time and effort for the betterment of the actual organization and of the student body. This has lead to instances of blackmail, threats, manipulative ploys, and many more underhanded actions that have no place in the UA. To be an effective leader of an organization of voluntary participation, one must learn that he or she is not there to provide strict orders. **One must lead by guidance and inspiration**, for the best way to get ef-

fective volunteers is to appeal to their potential and passions within — maximizing consonance and not dissonance.

The effect does not only stop with internal matters. **The defensive and arrogant psychosocial nature of the UA extends to policy and communication with the administration**. The UA, as a result, seems often unwilling to cooperate with the administration. It seems like we’d rather fight with the administration than to come up with new ways to benefit students as a team. As mentioned in our original platform, the UA can no longer act as a reactive and defensive force; it needs to be one that proactively seeks to collaborate and establish trust in the administration. This, to some members of the UA, would be perceived as a statement of naiveté, but I find it more a statement of truth that needs to be embraced.

The UA has become a bureaucracy that has largely been unable to function as a team, both internally and with the outside administration.

— Alec C. Lai

FORMER UA VICE PRESIDENT-ELECT

Overall, the UA has become a bureaucracy that has largely been unable to function as a team, both internally and with the outside administration. There are certainly instances within committees and in certain institute committees where teamwork flourishes, and we see brilliant results, but the leadership at large does not seem capable of such collaboration or willing to adapt such a new system. Arguments, barriers, and blockades are consequences of the above attitudes; humiliation of others and an unwillingness to change become the standard ways of enacting and maintaining forms of positional power. Consequently, rather than representing the interests and passions of the student body, the UA has evolved into a playground for these elected leaders to stroke their own egos.

When I ran for vice president, I genuinely hoped that the UA would be open to moving toward teamwork and collaboration, both internally and with the administration, with an emphasis on leading by inspiration and motivation.

To my dismay, both the current and the incoming UA leaders have recently made clear that they do not even think these are fundamental problems for the UA. Incorrect directions and methods for the recent restructuring and continued arguments over positional power are just a few such examples. Furthermore, they were not and are not willing to collaborate with me on considering such changes. In fact, more than once, key figures in the UA have voiced that, were I to attempt to facilitate

such changes, they would utilize their powers to damage my status, not only in the UA but also the greater student community. **Accordingly, I have decided to resign in both capacities, as the current UA Secretary General and the incoming UA Vice President.**

Certainly, I can imagine the numerous rebuttals from the UA and members of the student body: “Your idealistic thoughts are those of naiveté, not practicality; this is clearly an expression of inexperience.” “I think you hold some truth in your arguments, but the leadership has told me differently.” “Your actions may or may not be true, but such a public resignation and declaration shows lack of foresight.” Even, “Your efficiency with minutes was recently called into question; what makes you capable of speaking on behalf of the students if

you can’t even handle that?”

To the first point, as I have previously assured, my decision is not one of naiveté but one of identifying a prevalent problem I believe many officers are unable to admit. We choose to investigate structure or some tangible means of change, but in reality the problem lies in the treatment and respect of the members of the organization.

To the second point, are you on the fence because others who have achieved higher positions than you or I or who have had more experience in the organization said otherwise? Trust your own perspective on the matter. Did you enjoy working with the seniority or was it a relationship of fear or pressure? You do not need to make a public statement to jeopardize your position, as would certainly happen in the current state of the UA, but think carefully about how the UA has made you feel. That’s what the UA needs more of: an adherence to our **internal moral compass**, not practical politics.

“Your actions may or may not be true, but such a tremendous resignation and public declaration shows lack of foresight.” I may be a rising junior, and I may only have had one year of UA experience. I may have won an “unopposed” election that puts my qualifications into question. Nonetheless, I know that the UA is there to advocate for students. The current UA administration has made a claim of maximizing transparency so that the students know exactly what we’re doing. I make these statements so the students may understand the exact state of

their leadership and hold the UA accountable for the hostile environment that has been created.

Finally, as to the recent accusation against my capability as Secretary General, I can assure that this resignation has nothing to do with that occurrence, but is rather a compilation of thoughts that have built up over the semester. If anything, I was unable to continue in my full capability as Secretary General because there was little concern and assistance for the amount of work that goes into my full range of responsibilities (lack of a collaborative spirit), and the hostile and accusatory working environment and leadership have removed any passion that originally pushed me through my position.

For those that have chosen to hear me out, thank you, and I hope that you have gained some insight into the state of undergraduate leadership. I sincerely hope you hold the incoming administration responsible for it. As for those that hoped for me and my above vision to be part of the next leadership, rest assured that I have not given up my passion and dream for providing opportunities and programs that enhance student life. Instead, I will be working in a different capacity, outside of the UA but directly with the administration, to continue to provide for the undergraduates next year.

As for some concluding remarks on responsibilities, any unfinished minutes that I have taken under my position as Secretary General will be completed. In addition, I ask that the student body not hold the incoming President, Allan E. Miramonti ’13, responsible for my particular contributions to our platform (enhanced communication, strategy sessions, and the UA Help Desk), as I will no longer be assisting in those projects.

The UA needs more adherence to our internal moral compass, not practical politics.

Thank you very much again, undergraduates, for your faith in me and for reading this lengthy letter. I deeply apologize for needing to make these resignations, but I will definitely continue to assist the undergraduate student body. Most of all, I hope the UA will take my parting comments seriously, as a direction for improvement. The UA has taught me a lot over the past year in proper leadership, and I hope my final statement will be able to guide the UA in return.

Alec C. Lai is the former UA Vice President-elect and former UA Secretary General.

OPINIONOPINIONOPINIONOPINIONOPINIONOPINIONOPINIONOPINIONOPINIONOPINION

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part of R.A.W. (Rinnigade Art Works)

By Michael Veldman
STAFF COLUMNIST

Among studies specifically geared toward the mathematically gifted — perhaps most apropos to our venerable Institute's policy — we may look to the Study of Mathematically Precocious Youth (SMPY). The SMPY researchers identify

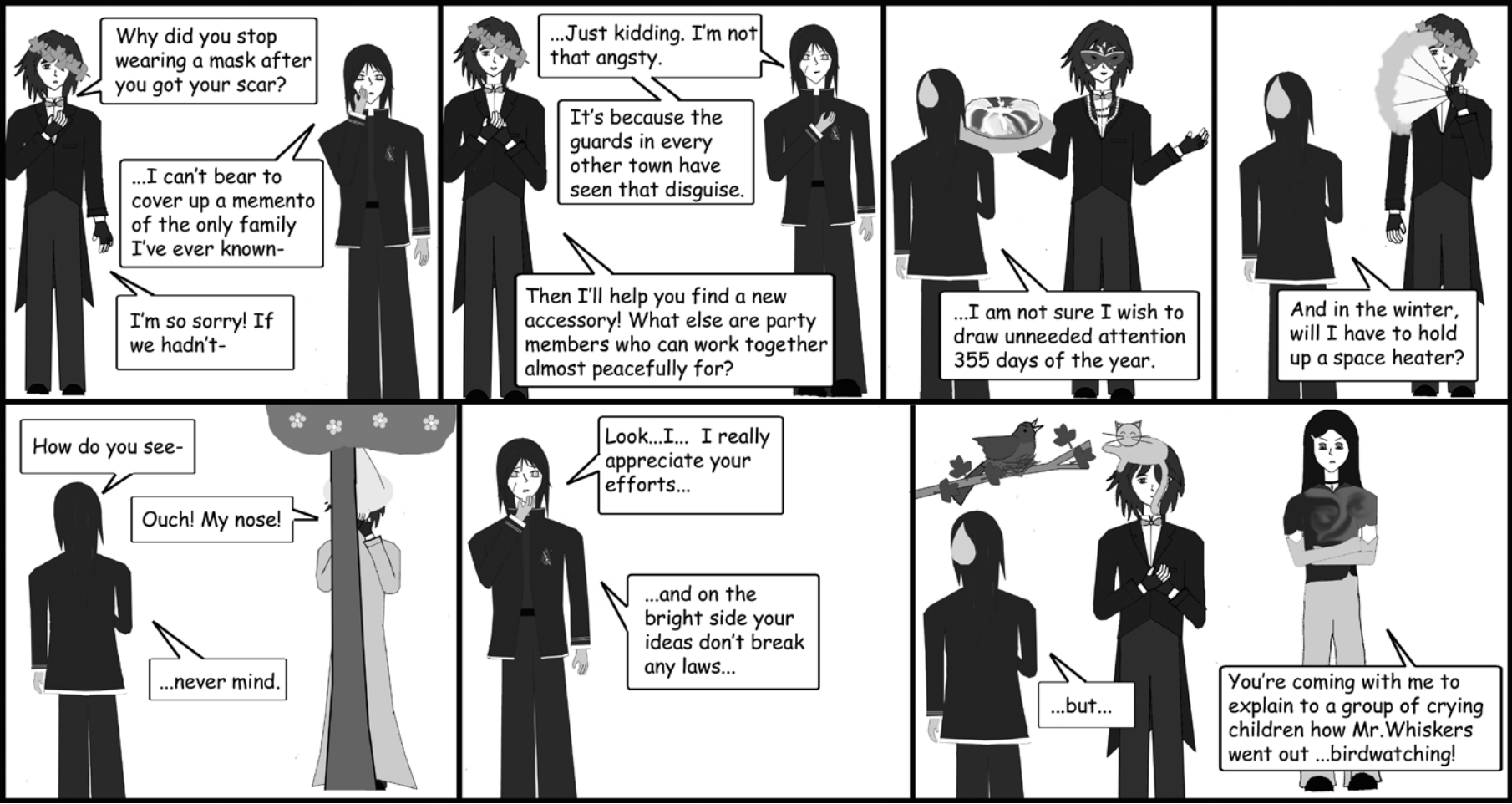
I will not deny that there is a great deal of support for the GMV hypothesis — and we certainly shouldn't shy away from an uncomfortable conclusion simply because it doesn't jibe with our preconceived notions — but because the studies that support it, especially the famous study of Scottish children, come from societies steeped in gender norms that favor the results the studies produce, it would be disingenuous and premature to consider the case closed in the face of a stubborn body of evidence that supports a totally different conclusion.

By Keith Yost
STAFF COLUMNIST

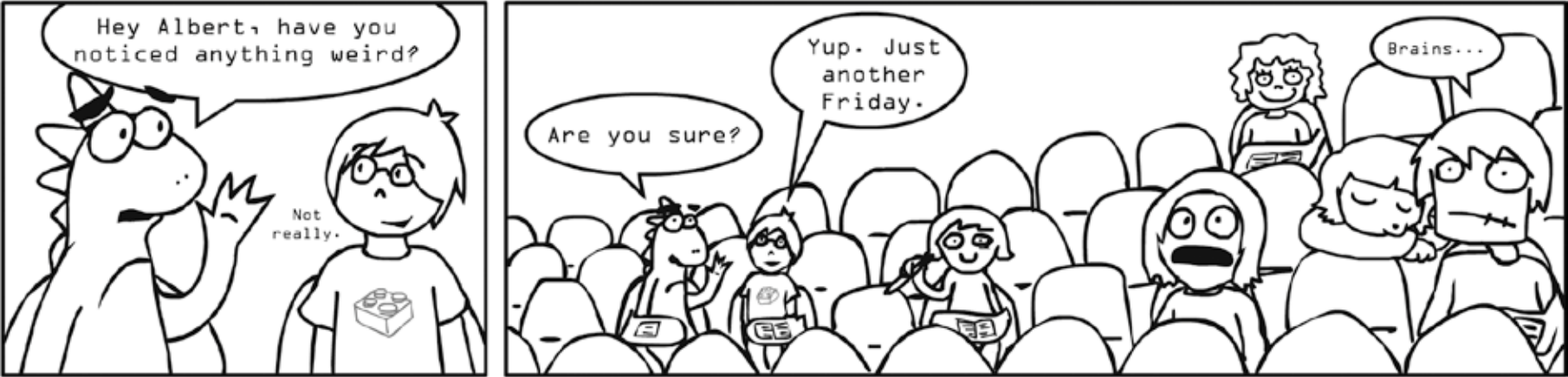
Now let's add in one final factor: suppose the variability of male intelligence is higher than that of women. This idea has quite a bit of support in the literature, and since the point I am trying to make is highly controversial (it cost Larry H. Summers '75 his job), here is a laundry list of supporting studies: Deary, Thorpe, Wilson, Starr, and Whalley (2003) looked at a 1932 IQ test administered to nearly all 11-year-olds in Scotland and found no statistically significant difference in

Before we embark on a second crusade for gender equality at MIT, we should have a thorough debate about the causes of our gender gap, and this time, we shouldn't just shout down those like Larry Summers who dare to conjecture about alternate theories. Perhaps the Committee on Women Faculty is right, and MIT is not a meritocracy. But what if they are wrong? The consequence for adopting increasing favoritism towards women will not just be the deterioration of our meritocracy, but the institutionalization of a real bias and an increasing sense that the women at MIT have not earned their place.

Somewhere on the Search for Meaning... by Letitia Li



Arthursaurus Rex by Ramya Swamy



Dilbert by Scott Adams

Sudoku

Solution, page 18

7	5			1				
2			4	8			9	1
			3		2		8	
6	7					9	5	
	1	4					6	2
	2		7		3			
5	3			4	8			9
				5			3	8

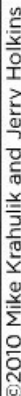
Instructions: Fill in the grid so that each column, row, and 3 by 3 grid contains exactly one of each of the digits 1 through 9.

Techdoku

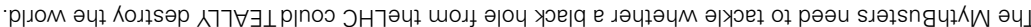
Solution, page 18

120×			48×	
	3−		108×	
1		10+		2−
90×				4
	360×			8×
6÷			7+	

Instructions: Fill in the grid so that each column and row contains exactly one of each of the numbers 1–6. Follow the mathematical operations for each box.



**A WEBCOMIC OF ROMANCE,
SARCASM, MATH, AND LANGUAGE**
by Randall Munroe



Solution, page 18

- 1 Giant Mel et al.
- 5 Skating jumps
- 10 Ballpark figs.
- 14 Beat to a froth
- 15 Euripides tragedy
- 16 Predicament
- 17 Pre-euro denaro
- 18 *Singly
- 20 *Gathering of reporters
- 22 Authorized, briefly
- 23 "... the morn ... Walks
o'er the dew of __ high
eastward hill": "Hamlet"
- 24 Olympian's quest
- 25 Sources of overhead
costs?
- 27 Highchair feature
- 30 GPS suggestion
- 31 *Workplace gambling
group
- 34 "The Swiss Family
Robinson" author Johann
- 35 Game for one
- 37 Barbecue site
- 40 *Furthermore
- 44 "I love," in Latin

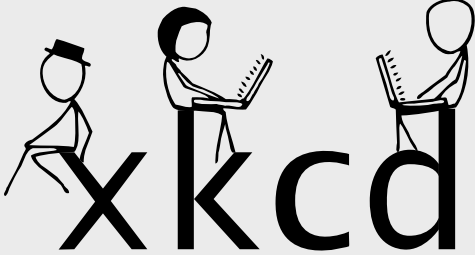
46 Stereotypical parrot name
47 __ jumbo
49 Cote occupant
51 Mormon initials
52 *Negotiating for a lesser sentence
57 *Credit company with a “Priceless” ad campaign
58 Boardroom VIPs
60 Director Preminger
61 Postpone, as a motion (and word that can follow the last word of answers to starred clues)
62 Morales of “NYPD Blue”
63 Lowly laborer
64 German industrial city
65 JFK arrivals, once

- 1 Big-eyed bird
- 2 Envision
- 3 Fed up with
- 4 Gush
- 5 Gas giant that merged with

- 6 One of the noble gases
- 7 First garden site?
- 8 Tree growth
- 9 Fill to the gills
- 10 Lauder of cosmetics
- 11 Washer setting
- 12 Alley prowlers
- 13 TV's Remington et al.
- 19 Military force
- 21 Big name in food service
- 22 Guadalajara gold
- 26 Catcher Carlton __, who
famously homered to win
Game 6 of the 1975 World
Series
- 27 Bottom line amount
- 28 Turnpike, e.g.
- 29 "Put __ on it!"
- 32 Author Wiesel
- 33 Woodsy aerosol scent
- 34 "What are __ believe?"
- 36 Turn red, perhaps
- 37 Janitor's tool
- 38 Try to equal
- 39 Regains consciousness
- 41 Reason to miss work

42 Nasty geezer
43 Where Hillary was sen.
45 Lakers star Bryant
48 It's passed in relays
49 Grammy-winning country
star Steve

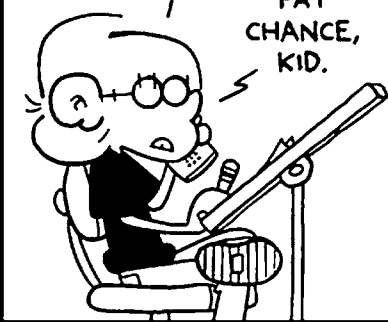
50 Add lanes to
53 Johnson of "Laugh-In"
54 Victrolas, e.g.
55 Ties up the phone, say
56 Chills, as bubbly
59 Bro's sib



A WEBCOMIC OF ROMANCE,
SARCASM, MATH, AND LANGUAGE
by Randall Munroe

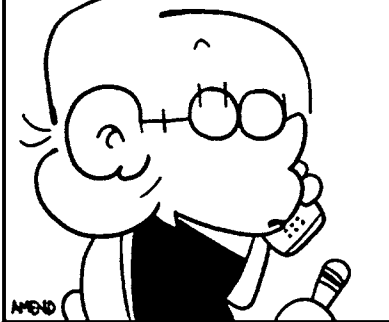
Guest Week: Bill Amend (FoxTrot)

HI, MR. MUNROE?
I HAVE A GREAT IDEA!
LET ME DRAW SOME
STRIPS FOR YOU!




FAT
CHANCE,
KID.


SUDO LET ME
DRAW SOME STRIPS
FOR YOU.



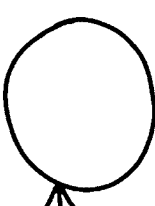
I find you
more
attractive
than
usual.



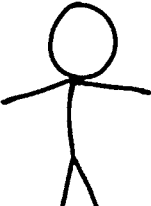
You do?
Is it my
new
haircut?



Actually, I think it's
all the weight you've been
putting on. Your gravi-
tational pull is pretty
severe.




Just
Sayin'.




At home with
the
Heisenbergs

I can't
find my
car keys.




You probably know too much
about their momentum.




Why mathematicians should run for Congress

All those in favor
of the bill
say "aye."


Aye. Aye. $\sqrt{-1}$



Guest comic by Bill Amend of FoxTrot, an inspiration to all us nerdy-physics-majors-turned-cartoonists, of which there are an oddly large number.




PILED HIGHER AND
DEEPER



by Jorge Cham

Cecilia!
I'm giving an impor-
tant presentation
in ten minutes.
Can you send me five
slides that describe
all the work you've
ever done?

-Prof. Jones



The Golden Sap Ratio

Amount of work your
Professor asks you to
do at the last minute

= 5

Amount that he/she
will actually use

Thanks. The
first one looks
good, I'll just
use that one.

-Prof. Jones



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Food Taste = $\frac{\text{Food Quality} \times \text{Hunger}}{\text{\$\$ Cost}}$



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FALL 2011 - LECTURE: MW EVE (5:30-8 PM) (32-144)




anime BOSTON

By Jessica J. Pourian

STAFF COLUMNIST

Last weekend, I returned to the Boston Convention and Exhibition Center (BCEC) for my second convention of the year, after the Penny Arcade Expo (PAX) in March. As I stepped from the cab so graciously paid for by *The Tech*, I was surprised to see no one outside the building in costume or actually, anybody at all. I approached the doors and peered inside to see ... no one.

Oops. Turns out the convention was in Hynes Convention Center. Fast forward 45 minutes of taking the Silver, Red, and Green Lines, and I suddenly found myself in a crowd of brightly dressed people with colored hair, strange hats, and elaborate costumes — Anime Boston!



For three days this past weekend, the Hynes Convention Center was home to the biggest anime gathering in New England. Nearly 20,000 fans attended the convention, which has been running annually since 2003. Anime and manga merchandise dealers from around the country, as well as a number of New England artists, showcased their wares to the thousands of fans.

I was only able to attend the show Friday afternoon and Saturday morning and spent the majority of my time wandering around the show floor and admiring the cosplayers and various stores. Sadly, I missed both the Melody Ball and Masquerade, two special ticketed events, due to poor planning and too many p-sets. The Melody Ball is a formal ballroom dance held each Anime Boston, and the Masquerade is a show where cos

There was an incredible number of people in costume — it was my first real convention with this magnitude of cosplaying. PAX and WonderCon — a mini Comic-Con held in San Francisco each year — don't have anywhere near the number of costumes as Anime Boston. I'd say one in three people were dressed up as anything from Sakura of *Cardcaptor Sakura* and characters from *Bleach*, *Naruto* (I counted over 20 Akatsuki costumes on Saturday), *Pokémon* (I saw at least a dozen Mistys on Friday), and *Inuyasha* all the way to Harry Potter and Link. It didn't matter that a particular character was not actually from an anime — the spirit of the convention seemed to embrace everything.

I attended Anime Boston with a friend and his mother, who was on her first visit to a convention. "It seems like a very safe place," she said of the convention,

Melody Ball proof that even nerds care to dance

Every year, Anime Boston hosts a costume ballroom formal. This year's event was called the Melody Ball, and it was the highlight of my Anime Boston, as always. The Melody Ball enforces a formal dress code and plays almost exclusively ballroom music, which makes it the ideal event for tuxedo enthusiasts, amateur ballroom dancers, and Disney fairy tale cosplayers — all of whom, as it happens, were in attendance.

I do enjoy ballroom dancing, but opportunities for someone like me to dance in public without being hopelessly outclassed by more dedicated dancers are infrequent, to say the least. At the risk of sounding more than a little vain, the Melody Ball is one of the few chances I ever have to make a good impression on the dance floor with something other than my Michael Jackson impersonation, and with significantly more dignity.

To their credit, the organizers of the annual Ball do make an effort to make sure attendees have at least a basic understanding of ballroom dance before they attend so that everyone has fun, but those with even a little extra experience, confidence, or personal hygiene frequently stand out from the crowd. The right costume can also make quite the splash — one young woman arrived in Belle’s gold ball gown from *Beauty and the Beast*; understandably, when the title song was played for a waltz, she received nothing less than full-on applause.

Other interesting costumes included formal versions of The Joker and Harley Quinn, various Asian-inspired formal wear, and any of a number of anime characters I had never heard of but looked interesting nonetheless. The musical selection varied between popular music, like “Beauty and the Beast” and “Tango: Maureen” from *Rent*, and live music by a string quartet courtesy of the Video Game Orchestra like the “Blue Danube” and *Sleeping Beauty* waltzes — as I said before, Disney cosplayers, right at home.

The formal ball has been my primary reason for attending Anime Boston for the last three years, and this year's Melody Ball was by far my favorite memory of the convention. My dance partner and I drew our fair share of attention dressed as The Spirit (me) and Generic Asian Girl (her), and we made some new and charming acquaintances. I'm a bit sad that I probably won't be going to Anime Boston again in the near future, but my dance partner's first Melody Ball seems to have been a success — she's already making plans for next year.

—*Michael T. Lin*

“where people can go, and it’s OK to be weird and dress strange.”

Indeed, the number of cosplayers and the variety of costumes seem to show that people did not mind looking different. Here, different was the norm. Costume quality ranged from the “I-just-bought-this-downstairs-at-the-dealer-tables” to “I-have-spent-more-time-making-this-costume-than-breathing-in-the-past-several-months.”

I've always been a fan of costumes that look "authentic," like real clothing — even if it means sacrificing details of the costume — over those fashioned from craft-store felt that include every facet of the fictional character. The convention boasted a number of such costumes, such as the large number of people dressed as Minecraft creepers; they were sufficiently blocky.



SSICA J. POURIAN—THE TECH

ressed as Umbreon.

ued to horrified groans from the audience. "When she went to take the duct tape off, her skin came right with it." She recommended "crossplayers" use Ace bandages or a compression vest instead.

The speakers also cautioned against “glomping,” a common practice at anime conventions where one person tackle-hugs another in costume. One presenter related being “glomped” by someone running into an elevator with her who accidentally thrust her against the back handle bar of the elevator, both breaking her costume and cutting her back. Another friend, she said, who had a bird-Howl costume from *Howl’s Moving Castle* — complete with over 1000 feathers and several hundred hours of work put in it — had his costume broken within 30 minutes of being at a convention because someone glomped him without warning.

"Don't glomp without asking," she said firmly.

Besides the number of cosplayers and cosplay-related events, there were the dealer tables to explore. The first floor of Hynes was full of merchandise dealers of everything from Totoro plushies to hentai bedsheets (I know, I know). Figurines, key chains, posters, manga books, art books, DVD series, T-shirts, and anything an otaku could ever want were all available. Not everything was anime related either; there was plenty of Nintendo-related merchandise, along with other



JESSICA J. POURIAN—THE TECH

Paula O. Jacobs '13, dressed as Umbreon.



JESSICA J. POURIAN—THE TECH

A convention attendee dressed as Toph Bei Fong from *Avatar: The Last Airbender* poses at the Hynes Convention Center.

Convention dos and don'ts, from your friendly campus newspaper

DO

- 🐼 Preregister for tickets so you pay less.
- 🐼 Wear comfortable shoes.
- 🐼 Bring cash — some vendors don't accept cards!
- 🐼 Budget expenditures before going to the convention.
- 🐼 Ask before taking a picture with someone.
- 🐼 Be aware of photos being taken around you — avoid unintentional photobombs!
- 🐼 Finish your p-sets beforehand! Stay guilt free.

DON'T

- 👤 Glomp people randomly.
- 👤 Leave items unattended (cameras, expensive props, shopping bags).
- 👤 Expect to get into a panel five minutes before it starts — go early!
- 👤 Stop in the middle of foot traffic for a photo op.
- 👤 Harass cosplayers.

video games, including *Portal 2*.

Setting a budget is an excellent idea for Anime Boston if you don't want to walk away from the show floor with an empty bank account and more knick-knacks than will ever fit in your dorm room. The dealer tables have an incredible array of cool things that make it easy to spend more money than you intend if you don't plan ahead. Think beforehand about what you could potentially want to buy at the convention (do you really need that sixth Pikachu plushie?) and how much it will all cost. If you set a generous (but doable) budget and manage to come in under it, you'll feel good about yourself.

I ended up leaving the dealer tables with a few original *Legend of Zelda* posters done by a local artist before going upstairs to the Artists' Alley, where most original artwork was displayed.

The Artists Alley is a place for New England artists to display and sell their work. Just like the dealer tables, most things were anime related, but there were plenty of video game and Japan-related items that weren't necessarily from anime. One vendor sold giant plush sushi pieces, while another sold earrings that looked like traditional Japanese fuurin wind chimes. Many artists advertised 10-minute portraits of you and a friend in full color. Some artists sold only original, premade artwork, while others had vast collections of art based on anime characters. The skill of the artists and the diversity of the artwork displayed was really stunning — I saw not only some wonderful, traditional cel-shaded anime art pieces, but also a variety of lovely anime-inspired watercolors. Most 8"x11" pieces sold for \$8–15, while larger pieces ranged from \$20–40. I bought a few prints up there, too, and plan to get all the artwork I bought laminated at CopyTech so it stays in the best condition possible.

Anime Boston will return next year in the spring. Students looking for a convention to attend can try to weasel their way into Boston Comic-Con, which starts today at Hynes Convention Center (not the BCEC! If you go there, you'll end up at the Oncology Nursing Society's 36th Annual Congress, along with a produce and floral convention!).



HOLI

ON KRESGE LAWN

Students and other members of the MIT community gathered on Kresge Lawn on Sunday afternoon to celebrate Holi by covering each other with colorful paint, which is traditionally made from medicinal powders. Holi, the Festival of Colors, is an Indian celebration marking the end of the winter season. The event was sponsored by the MIT Hindu Students Council.

Photos by Biyeun Buczyk '10



Musical Theater Guild's *Spelling Bee* not to be missed

Spelling Bee is an anomaly compared to

three rows. In fact, a good deal of *Spelling Bee's* charm stems from the presence of guest spellers, audience members who have signed up beforehand and, for the first portion of the show, sit onstage among the performers and “compete” in the Bee. I’d be lying if I said the results weren’t a little rigged, but you’d be surprised at how far an audience member can get with a thorough

All other points aside, the real appeal of this production is its cast. All of the actors take on their odd and often bizarre roles with ease, even in spite of frequent doubling of minor roles. There isn't a weak singer to be found in the ensemble, and the catchy musical numbers benefit from the cast's vocal talents. Cardenas, a veteran (and recurring highlight) of numerous MTG productions, is in especially fine form as Mitch, although almost every character gets his or her memorable moment to shine. Perhaps the more impressive aspect of the cast's performance is their ability to stay in character despite having to baby-

Kresge Little Theatre

The Musical Theatre Guild, frankly, deserves a trophy for their production of *The 25th Annual Putnam County Spelling Bee*, and fittingly, they already have one. Although there have been MTG shows in the past that I couldn't recommend vigorously enough, this is possibly the first show that I can say with conviction seems to me to be flawlessly executed.

Overall, Inspirasian was a successful event. The Asian Dance Team specializes in dances with East Asian influences, but the incorporation of MIT Bhanga and the MIT Ohms added diversity to what I expected to be a solely East Asian festival. The biggest strength was the eclectic nature of the festival, which stemmed from the variety of styles presented, including modern Asian pop.

Kresge Auditorium

Inspirasian is a terrific event for people wanting to experience a dance-centered festival that focuses primarily on modern and traditional East Asian styles. The performances were arranged in a logical and effective order, which allowed individual acts to flow naturally from one performance to the next. The success of such a fusion event comes from incorporating diverse styles and delivering strong performances, both of which were achieved.



UK side of CME facing financial difficulty, cutbacks

CME, from Page 1

dents to MIT in the 2011-2012 academic year. However, because the funding is restricted to the Engineering Department, only electrical, civil, mechanical, and aeroastro engineering students will be able to participate.

“There’s no funding, presently, for the other disciplines. But one physics student was able to obtain funding on his own and is hoping to come, which is very much an exception,” Hedderick said.

Despite these restrictions on

the Cambridge side, Hedderick said that an agreement has been reached to allow MIT to send students outside of the four engineering disciplines mentioned above.

Elizabeth C. Wiltshire CME is a third-year Cambridge student who may be the last materials science exchange student from Cambridge, since her major is not part of the engineering department.

Wiltshire said CME is a prestigious program at Cambridge with very competitive admissions. “I know a lot of people who didn’t get in. I heard that about a few hundred

chemical engineers applied.” She also said that unlike MIT, which has both CME and MISTI, there are barely any other open foreign exchange programs at Cambridge.

Even though she still only pays the Cambridge tuition that is significantly lower than MIT’s — Cambridge tuition is \$5,600 per academic year, and MIT tuition is \$40,460 per academic year — Wiltshire has to pay for her accommodations and all other costs here at MIT, which are higher than those in the U.K. After subtracting her CME stipend, she still had to spend a few

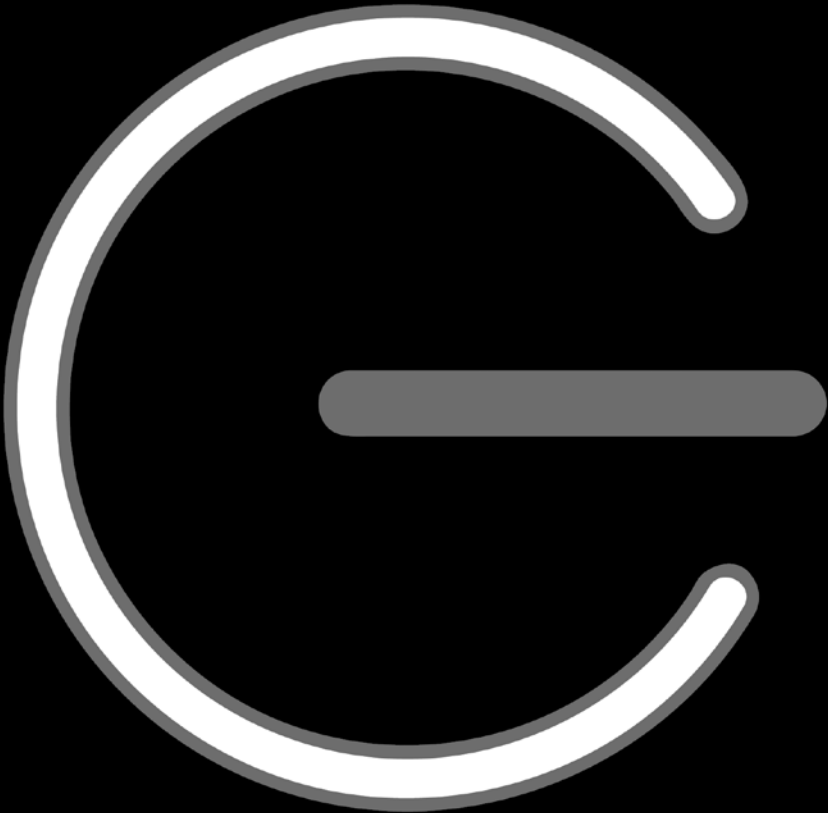
thousand pounds more at MIT. She noted, however, that it is natural to want to spend and do more in a new environment.

Wiltshire expressed regret about the program’s financial difficulties. “It’s been an absolutely amazing experience. It’s a shame that they couldn’t find more funding,” she said.

It seems the funding issue is only present on the U.K. side. According to Hedderick, MIT has a very firm commitment to the CME program, and has no problem sending more students over

if Cambridge can. Nevertheless, MIT cannot send more students over than it receives because CME is a balanced exchange program. However, only the total number of students in the exchange needs to be balanced — while Cambridge is only allowed to send engineering students to MIT at the moment, MIT is still allowed to send students in other disciplines.

“Of course, we’ll work to build the number [of CME students] up. We’ll keep talking to our Cambridge colleagues to see where they can find funding,” Hedderick said.



bbq thurs

CARNIVAL fri

KEYNOTE SAT
drew houston

dodgeball

SERVICE SUN
CAKE-OFF

monday - sunday April 25 - May 1



Up to 30K expected

Open House coincides with CSF

Open house, from Page 1

sense to open the campus up to the community,” he said.

He hopes to eventually see open houses become regular campus events, perhaps having both internal MIT community open houses and external events open to the general public. Still, he emphasized that this weekend’s success will be evaluated before making any definite plans. “We’ll see what happens this weekend, and based on that, those of us who are involved [with the open house] will make a decision,” he said.

DiFava said that planning for security and logistic concerns associated with the large number of people was similar to other large campus events; the main difference is that Under the Dome will have attendees with no affiliation to MIT other than “curiosity.” Planning for security has been in the works for several months. Services like several information tents and wide distribution of campus maps will be available to visitors unfamiliar with the Institute.

DiFava wrote a community letter on April 27, accessible at [http://](http://web.mit.edu/cp/www/_docs/DiFava_Open_House.pdf)

web.mit.edu/cp/www/_docs/DiFava_Open_House.pdf, asking the community to help “ensure that our campus is safe” by securing areas not included in the open house, welcoming visitors to campus, and directing visitors to the information tents at Mass Ave., North Court, and Kendall Square.

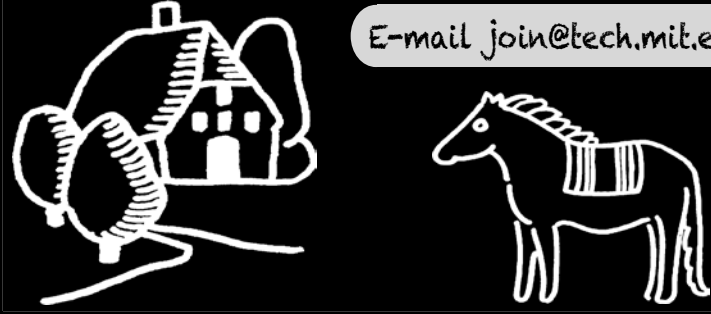
He advised members of the campus community to “be responsible,” but emphasized that he had “no negative sense at all” for the open house and was enthusiastic about the chance for the public to explore MIT.

“People are going to be fascinated — they want to see the cutting-edge research here. MIT is the ‘mystery on the river’; people drive by and walk by, and this is their opportunity to come over to campus,” DiFava said. “I anticipate a very, very successful event. I think that the Institute is going to shine.”

Lagacé shared those sentiments. “I’m looking forward to seeing a lot of smiling faces on Saturday and seeing all of the Institute’s individual pieces showing off what makes MIT a good place,” he said.

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Kendall zoning plan released

MIT will focus change on eastern side of campus

By John A. Hawkinson
STAFF REPORTER

Yesterday MIT filed a petition with the City of Cambridge requesting zoning changes for the campus east of Ames Street. MIT proposes to create a new zoning district to support future academic and retail development in the next ten years.

The district is essentially the east side of campus and abutting parts of Kendall Square: roughly the area bounded by Ames Street, Main Street, the east edge of the Sloan School, and Memorial Drive, in the addition to 1 Broadway an office building which is across Main Street from E60, the new Sloan building.

The proposal is available at <http://tech.mit.edu/V131/N23/kendall/>.

MIT's proposal comes after several preliminary steps by MIT for changes to the Kendall Square area, beginning in the fall with a series of meetings held with the MIT community and the Kendall community conducted by Steven C. Marsh of the MIT Investment Management Company. Marsh oversees MIT's real estate portfolio.

It also comes at a time when there are many changes happening in the areas between Central Square and Kendall Square. The City has hired Goody Clancy and Associates to conduct a study of urban

development in the areas between and including the two squares and to provide a framework for consideration of a number of zoning proposals affecting that area, including MIT's.

Other proposals before the City include a proposal by Novartis to change the zoning for their new building at the site of the old Analog Devices building on Mass Ave; a zoning proposal by Forest City Associates to raze the block north of Random Hall and construct a new life sciences building, which requests zoning changes; and a special permit request to build a new building for the Broad Institute at 75 Ames Street.

Added to this mix is MIT's proposal. Though framed as the "Kendall Square Initiative," with an accompanying website (<http://kendallsquareinitiative.org>), the zoning petition is really only about MIT's property, and ignores the north side of Main Street occupied by the Marriott hotel, the Cambridge Center buildings that include the MIT Coop, etc.

MIT's proposal requests a height limit of 250 feet within the zone, with up to two buildings of 300 feet. Some areas within the zone will have smaller height limits, such as 150 feet near Memorial Drive.

By comparison, the area is currently in four different zoning dis-

tricts. The frontage along Main Street is currently zoned for 120 feet, MIT would increase it to 250 feet. Along Ames Street and Amherst streets, 120 feet will increase to 200 feet. Along Memorial Drive, from 120 feet to 150 feet. At one Broadway, from 230 feet to 250 feet. And the remainder of the area, including Carleton, Hayward, and Wadsworth Streets as well as the Sloan buildings, from 120 feet to 250 feet.

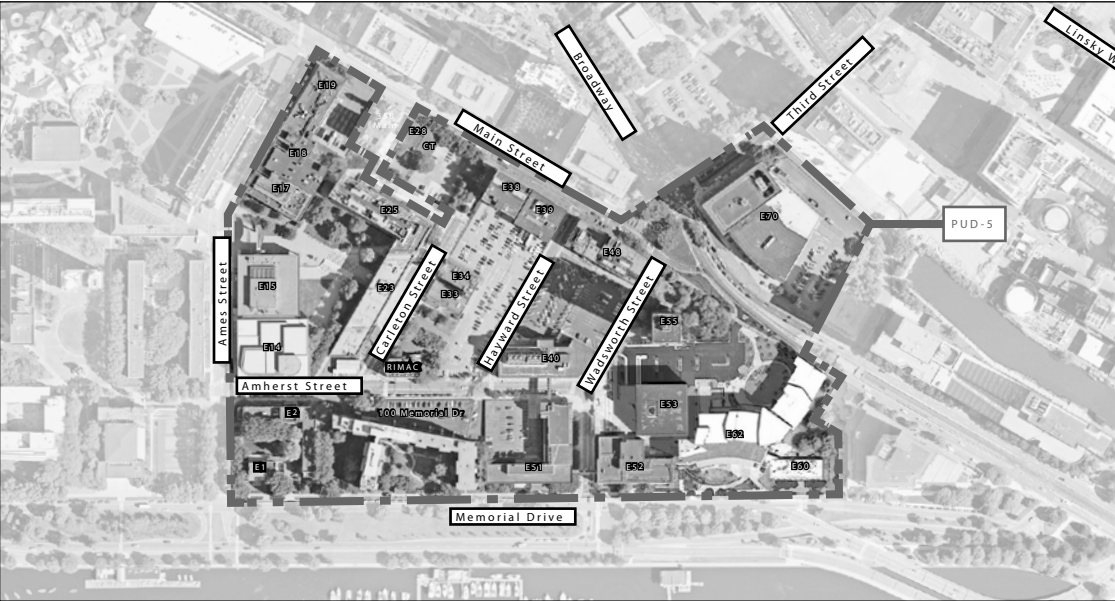
In a press release, MIT suggested the zoning change would permit four new development projects over the next ten years:

- 880,000 square feet of commercial space, with two new "signature buildings."
- 800,000 square feet of new academic space.
- 120,000 square feet of residential space
- 100,000 square feet of retail space.

Additionally, MIT said they will permit a public plaza and improvements to the Kendall MBTA subway station.

MIT's plan is being developed by David Manfredi of Elkus/Manfredi Architects. Elkus/Manfredi is also working on the new Broad building at 75 Ames Street.

MIT's proposal will be reviewed by the Cambridge Planning Board as well as the Cambridge City Council.



SOURCE: MIT INVESTMENT MANAGEMENT COMPANY

MIT has proposed a new zoning district PUD-5 ("Planned Unit Development 5") that includes most MIT properties east of Ames Street in the Kendall Square area, as well as One Broadway (E70), a commercial office building north of Main Street at the northeast extreme of the district. The district would have a maximum height of 300 feet, though most areas of the district would be restricted to 250 feet, and some to 150 feet. MIT anticipates up to 1.9 million square feet of additional space within the district, including 800,000 square feet of academic and research space, 880,000 square feet of commercial space, with the remainder split between retail and residential.

Revere woman free

Breast-feeding illegal immigrant released after seven day detention

By Brian R. Ballou
THE BOSTON GLOBE

REVERE — A Brazilian mother in the country illegally says she was detained for seven days by federal immigration officials after a traffic stop in Reading last week, despite her pleas that she be allowed to breast-feed her 13-month-old son.

"I told them, many times, that I needed to be with my son to breast-feed, but they didn't listen to me," Katia Cynara Borges said Thursday after she was freed from the Suffolk County House of Corrections. She was released following numerous inquiries this week by Globe reporters to Immigration and Customs Enforcement officials.

In a brief statement Thursday, the agency said: "After further review, ICE determined that the detention of this individual was not consistent with agency policy on the detention of breast-feeding mothers. As a result, ICE released the individual today while she awaits the outcome of her case."

Borges's detention runs counter to guidelines that the agency revamped after a raid it carried out in 2007 at a New Bedford factory drew widespread criticism. Hundreds of illegal immigrants who worked there, many of whom were either nursing mothers or primary caregivers of children or elderly relatives, were detained after the raid.

The guidelines now stipulate that "extraordinary circumstances" should exist, such as the protection of national security or public safety, to warrant detention of such individuals.

Speaking in Portuguese, Borges said that aside from her status as an illegal immigrant with an overdue deportation order, she has never been arrested. She came to the United States in 2006 and was arrested the same year and ordered deported.

Borges, 31, lives with her husband and their son, Pedro, in a modest duplex in Revere. She cleans houses, and her 34-year-old husband, who requested that his name not be published because he fears deportation, works in construction. He took time off from his job to care for their son after Borges's arrest April 21.

Thursday, his eyes filled with tears after Borges called

him to say she was being released.

When Borges walked through the front door about 3:30 p.m., he kissed her, hugged her, and then placed Pedro in her outstretched arms. The boy laughed as she gave him a tight embrace.

"I missed you so much ... Every day I was gone I cried because I missed you," Borges said.

Borges said that during her stay in jail, she requested and was given Motrin to alleviate pain associated with the interruption of nursing. While Pedro's diet also consisted of solid foods in past months, Borges said she has continued to nurse him because she believes in the benefits of mother's milk.

Jessica Vaughan, director of policy studies for the Center for Immigration Studies in Washington and an opponent of illegal immigration, said that in these cases, authorities are put in the predicament of trying to ascertain whether detainees are telling the truth or just exploiting the new guidelines.

"But nevertheless, her not abiding by the deportation order makes her a fugitive, and that escalates her legal difficulties," said Vaughan, whose office is in Franklin. "Because she was a fugitive, I suspect that ICE had to detain her because she was a high flight risk"

Heloisa Maria Galvao, executive director of the Brazilian Women's Group in Allston, said she has not heard of any cases similar to Borges's since the raid on the New Bedford factory.

"It's really frustrating to hear this one, because we have worked so hard since then to prevent it from happening," she said.

Galvao said she called Borges's husband and told him that her group would work to help them find legal assistance, and he welcomed the offer.

Borges and her husband, who are from Belo Horizonte in the state of Minas Gerais, plan to hire a lawyer in an attempt to become legal US residents. Borges is scheduled for a status hearing Oct. 21. She is required to wear an ankle monitor pending a decision on her case.

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Solution to Crossword
from page 8

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W	H	I	P	M	E	D	E	A	S	P	O	T
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N	E	W	S	C	O	N	F	E	R	E	N	C
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M	U	M	B	O		E	W	E	L	D	S	
P	L	E	A	B	A	R	G	A	I	N	I	N
M	A	S	T	E	R	C	A	R	D	C	E	O
O	T	T	O	T	A	B	L	E	E	S	A	I
P	E	O	N	E	S	S	E	N	S	S	T	S

Solution to Sudoku
from page 7

7	5	8	9	1	6	4	2	3
2	6	3	4	8	5	7	9	1
4	9	1	3	7	2	5	8	6
6	7	2	8	3	1	9	5	4
9	8	5	6	2	4	3	1	7
3	1	4	5	9	7	8	6	2
8	2	9	7	6	3	1	4	5
5	3	6	1	4	8	2	7	9
1	4	7	2	5	9	6	3	8

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Solution to Techdoku
from page 7

2	3	5	4	1	6
4	5	1	6	3	2
1	2	4	3	6	5
5	6	2	1	4	3
3	4	6	5	2	1
6	1	3	2	5	4

In resignation, Lai calls for internal UA changes

UA resignation, from Page 1


as the same lack of cooperation extending to the next administration. “I’ve spoken to various leaders quite straightforwardly,” said Lai. “My comments were not received in a way that indicated change.” Nonetheless, both Modi and Miramonti were surprised by Lai’s letter. “The UA is taking all of Alec’s comments into consideration,” said Modi. “I personally have taken his concerns seriously, and I am sorry to see him go.” Lai wrote at length in his resignation letter about an ideal vision for cooperation, and reiterated those sentiments to *The Tech*. “One must lead by guidance and inspiration,” he said, qualifying the statement more practically by referring to his role as the president of

Next House. “The environment [at Next House] is much more friendly ... we have round table discussions, we compromise,” said Lai. “I am not trying to compare the two organizations; they’re different scopes, I know, but I believe there are some fundamentals essential to good leadership.” The former secretary general also criticized various UA leaders for their “megalomania, examples of which include excessive micro-management” and cited an overall “defensive and arrogant psychosocial nature of the UA.” Asked if he had been a supporter of the UA’s recent restructuring push, and whether or not Modi’s bill would have helped to address some of his concerns, Lai said that “the structure of the UA can change some things but the biggest change must be a psychosocial one.”

Notably, Lai’s resignation is the latest and most prominent in a series that the UA has seen this year, including several senators, a member of the UA Finboard, and the UA treasurer. “I believe that many of the earlier resignations may have been based — not on the same problems — but on similar dissonance,” said Lai. This represents a shift from statements made during his campaign, when he and Miramonti attributed the growing number of resignations as by-products of overall growth of the Senate. “I think we will be looking at a younger Senate again next year,” continued Lai. He has shared his perspectives with sympathetic members of the UA. “I have not encouraged anyone to resign,” said Lai. “But I believe many of [my sympathizers] would not have continued their terms in the next semester ... a good portion

of Senators may be leaving.” Lai is hopeful that undergraduates who have read his letter and agree with his views will try and enact change. “The easiest thing to do for those who understand and care about what I’m saying is to run for Senate and participate in the UA,” said Lai. “Yes, I’m giving this advice having resigned, but with my one-year contribution, I believe I’ve done as much as I could have in my position.” Various undergraduate student groups, particularly living groups, have discussed Lai’s letter, particularly with regard to the accusations of “megalomania,” “blackmail,” “manipulation,” and “psychosocial arrogance.” “I have seen one or two [of those email threads],” said Lai. According to him, his criticism is not exaggerated; “Those were the best words to

clearly describe what I observed.” The vagueness of his comments has also been noted in emails on dorm lists. “It seemed appropriate to me to not mention specifics, out of respect for the administration I was working with,” said Lai. “Naming names would not be appropriate in a public letter — that said, I have heard that some people think I’m ‘whining’ or ‘wanking’ unnecessarily. I assure you I’m not. At the same time, I’m not going to contribute to flame wars, and everyone is entitled to their own opinion.” “My suggestions for Senators is to represent your constituency but at the same time, you’re there to represent the [undergraduate] student body at MIT as a whole,” said Lai. “Compromise is the true value of student government.”



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The Art of Educated Guessing and Opportunistic Problem Solving
.....
12:30 pm
Jay Keyser
MENS ET MANIA
The MIT Nobody Knows
.....
1:00 pm
David Mindell
DIGITAL APOLLO
Human and Machine in Spaceflight
.....
1:30 pm
Philip Alexander
A WIDENING SPHERE
Evolving Cultures at MIT
.....
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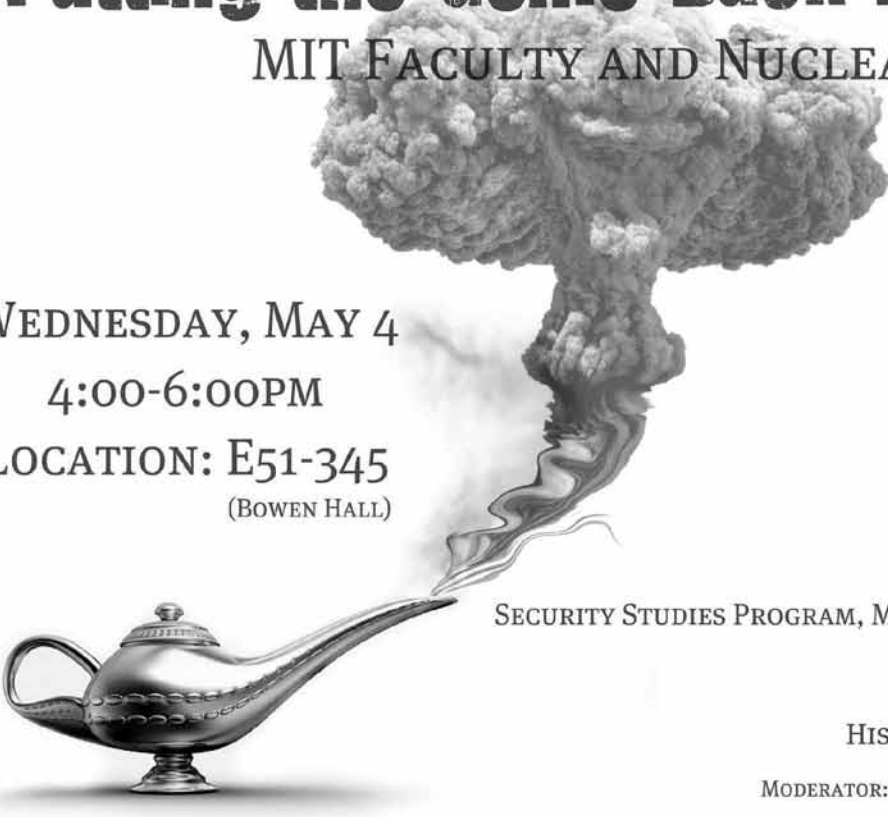
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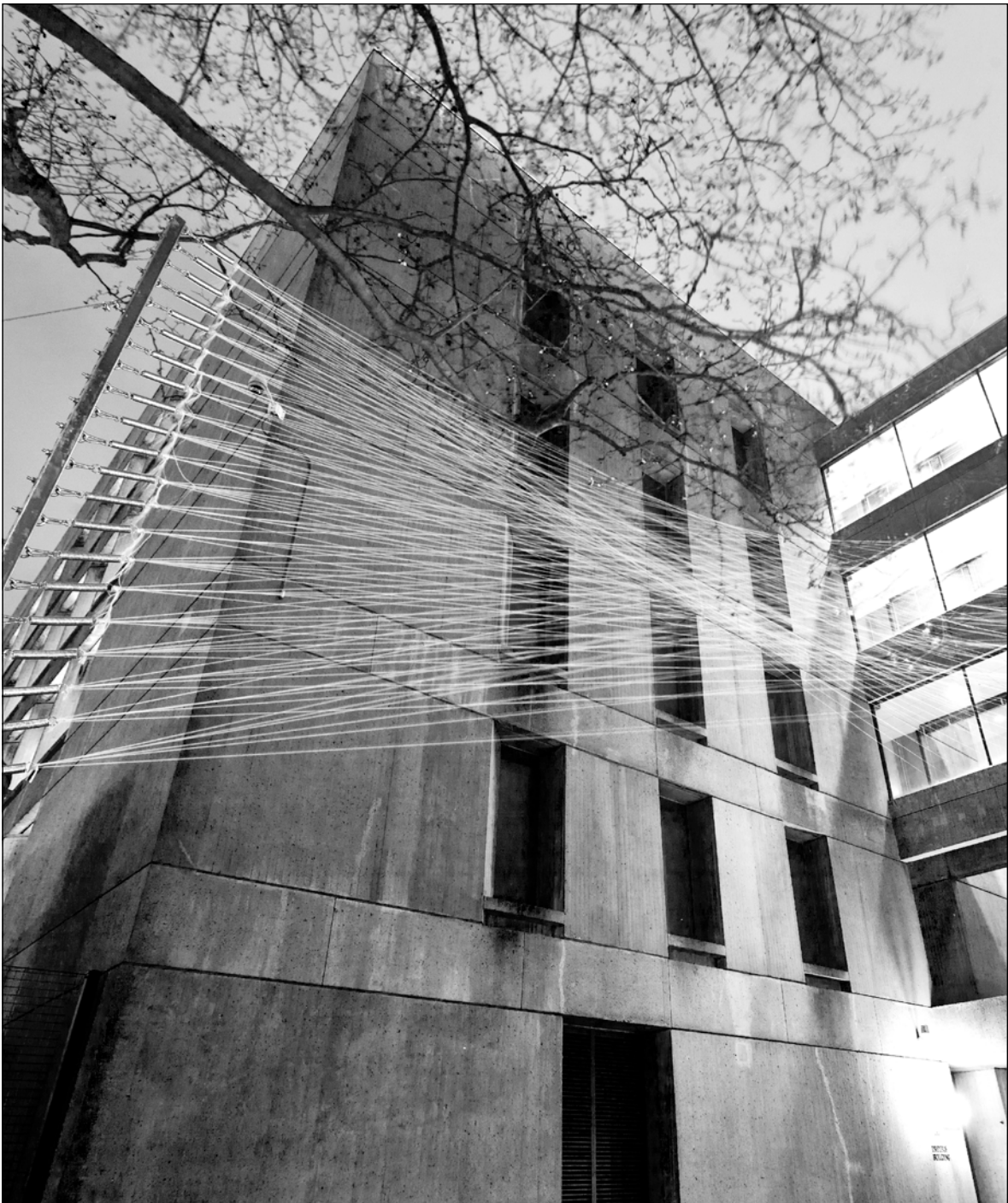
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    return linux, OSX, javascript, applescript, perl, python, PHP

if self.interest == True:
    print "E-mail join@tech.mit.edu"

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Wind Screen, installed by Associate Professor of Architecture **J. Meejin Yoon** for the MIT150 FAST Arts Festival, is on display in the archway below the Green Building. Each subunit is a wind turbine and generates all the energy it needs to light up as it spins. As the wind blows harder, the turbines spin faster and light up more brightly.



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FREE A CAPPELLA CONCERT

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Discord in Harvard's Graduate School of Education

Students complain about pattern of tenure denials to professors in diversity, social justice

By Tracy Jan
THE BOSTON GLOBE

The recent denial of tenure to a prominent Harvard scholar whose work focuses on grass-roots organizing has sparked student protests over the direction of one of the nation's most influential education schools.

More than 50 doctoral students at the Harvard Graduate School of Education are demanding that the 91-year-old school redirect its mission. Over the last decade, they say, it has veered away from social justice issues in education toward more results-driven management and policy concerns. The students, who are groomed to be national leaders in education, said they fear the shift will hamper their professional development and tarnish the school's reputation.

"There is a lot of talk about diversity and wanting to support social change, but recent decisions on tenure have sent very clear signals to the student body and the rest of the junior faculty about where the future of the school lies," said Keith Catone, a fifth-year doctoral student in the community, culture, and education program. "That's not a direction that will help Harvard lead a broad movement for educational improvement."

Since 2003, the school of education has lost a half-dozen professors who specialized in diversity and community involvement because they were denied tenure or recruited by other universities.

The students' concerns, voiced this month during two protests out-

side faculty meetings, prompted the dean of the education school, Kathleen McCartney, to issue a letter Wednesday reaffirming the university's commitment to social justice research and to a method of study called qualitative research, which emphasizes the personal experience of students and their families.

Over recent years, the balance among senior faculty has tilted toward quantitative research, which relies more on data such as test scores.

"I respectfully disagree with the view, voiced by some students and others, that the school is not committed to equity, diversity, and social justice as objects of inquiry," McCartney said.

Among the school's highest-profile losses are Gary Orfield, founder of the Civil Rights Project, who left for the University of California, Los Angeles, in 2007, and Marcelo and Carola Suarez-Orozco, both of whom study immigration and now teach at New York University. All three were wooed away by the other universities. Orfield, whose research is widely cited, is a leader in studying equal opportunity for minority groups.

And then, this month, Mark Warren, a sociologist studying community organizing in school reform, was rejected for tenure, the third professor focused on equity issues to be denied tenure in the last three years.

However, McCartney said that on her watch four faculty members whose research specializes in educational equity have been hired, including two with tenure. In addition,

at least three other education professors focus on equity, immigration, and race or social class issues as they relate to educational opportunity.

McCartney said she agrees with students who feel the school does not have enough senior faculty using qualitative methods of research and vowed to recruit a scholar who conducts such work. The search will begin in the fall, and she said she has already generated a list of potential recruits.

"It is an area we need to strengthen," she said in an interview. "But, just to be clear, there are so many areas we need to strengthen," including programs on international education and technology in education.

McCartney said she is doing additional outreach to junior faculty members to see how she can better support their work.

The education school currently has 75 full-time faculty members, 25 of whom are tenured. Of its 900 students, 294 are enrolled in the doctoral program.

McCartney said she is unable to address Warren's tenure case, which is confidential, but senior professors who voted on whether his case should move forward to the next level of approval emphasized the notorious difficulty of getting tenure at Harvard.

Reached by email, Warren, who once led the dean's advisory committee on equity and diversity, expressed disappointment at the result of his tenure case.

"The work I do on community organizing has an essential contribu-

tion to make to addressing the problems facing our public education system and I am disappointed to see that it does not have a place at Harvard," he said.

In the Graduate School of Education, only about 20 percent of faculty receive tenure, a figure the school is trying to improve through better mentoring, said Bridget Terry Long, a Harvard economist who studies inequality in college access.

"I certainly understand the students being alarmed, and there's no question the school's got to do better in getting more qualitative researchers here," Long said. "But the tenure process is difficult, and I wish it had turned out differently. But it has nothing to do with the lack of respect for the type of work that Mark does."

Long said she is concerned Warren's tenure denial will make it more difficult for Harvard to recruit scholars in his field.

"It's vitally important that we're going to have to take this seriously," Long said. "I'm sure someone's thinking: 'Why would I go to that place? It's clear they don't value that kind of work.' There's the reality of what we care about as a school, and then there's the perception."

Students said they will continue their protests until graduation next month if necessary. They will hand out fliers and hold up signs and banners saying things like: "What does this say about what's dispensable?"

They assert that it is just as important for education school graduates to understand what is happening at the ground level in families and

communities as it is for them to understand the perspectives of voices at the top when it comes to topics such as charter schools, the small schools movement, and vouchers.

"Without this knowledge, we aren't adequately prepared to go out and lead education reform," said Meredith Mira, a fifth-year doctoral student. She said she came to Harvard hoping to study with at least four professors in the cultures, communities, and education program, three of whom are now either gone or in the process of leaving the school.

"It's incredibly demoralizing," Mira said. "The ed school can take their agenda where they want it to go, but it becomes misleading for students in concentrations like cultures, communities, and education to get there and the people they want to study with are slipping away."

Orfield said his move was prompted by several reasons, including UCLA's promise of substantial support for the Civil Rights Project, such as free space and a "good group of colleagues" for him to work with. Harvard, by contrast, did not provide financial support, he said.

Orfield said he is watching with great interest the protests.

"I do think Harvard needs to make some appointments in that area, and of course they have pledged for a long time they were going to do that, but there has not been very much success," Orfield said. "If they get a reputation for treating people who do this kind of thing badly, then that creates a great obstacle."

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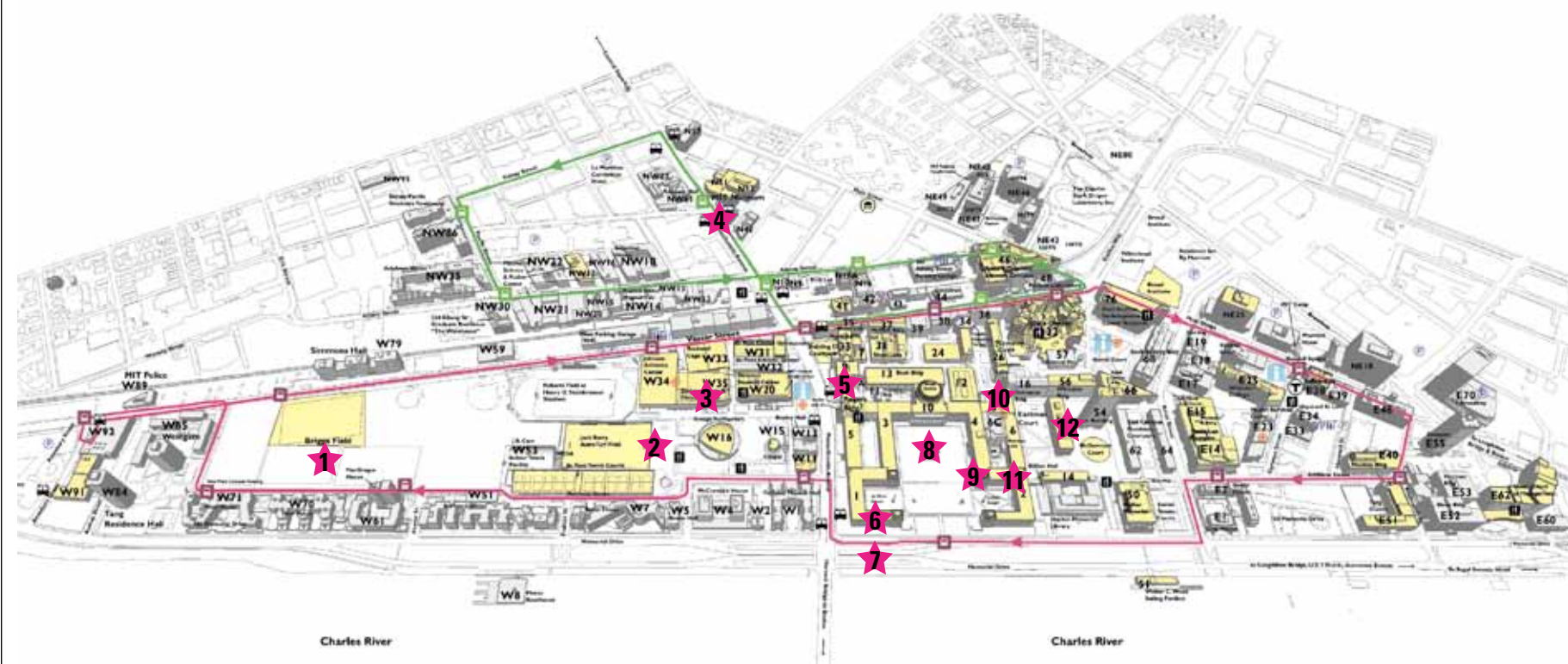


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- ★ **1pm - 1pm:** Welcome and Greetings from Cambridge Mayor David Maher and MIT President Susan Hockfield. **W34**
- ★ **11am - 4pm:** Celebrating discovery at MIT: an undergraduate research poster session. **W33**
- ★ **11am - 4pm:** MIT Museum inside out. **N51**
- ★ **11am - 4pm:** Aeronautics and astronautics Newman Hangar displays. **33 Seamans Lab**
- ★ **11am - 4pm:** Timeline of MIT engineering. **1-206**

- ★ **11am - 4pm:** The gravity-defying lapping of a house cat. **1-135**
- ★ **11am - 4pm:** Compton Gallery — MIT150 exhibition. **10-150**
- ★ **1pm - 4pm:** Stopping time at the Edgerton Center. **4-410**
- ★ **11am - 1pm:** MIT150 welcome lounge. **16-110**
- ★ **11am - 4pm:** The materials science of ice cream. **6-104**
- ★ **11am - 4pm:** Campus construction: past and future. **56-191**

Help/Services

- Welcome Tent/ Information
- Program Activities
- Concessions
- First Aid

Parking

- MIT Event Parking
- Accessible Parking
- Public Parking (pay lots)

Transportation

- Group Bus Drop Off
- MBTA Train Stations
- MBTA Bus Stops
- Tech Shuttle
- NorthWest Shuttle

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FALL 2011 - LECTURE: T EVE (6-9 PM) 32-144



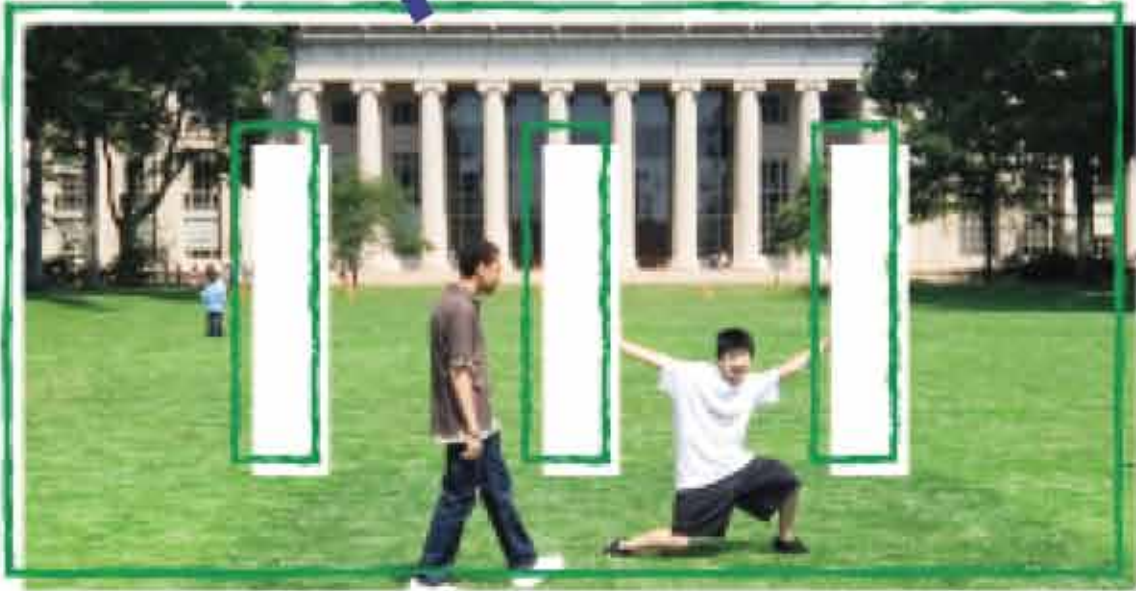
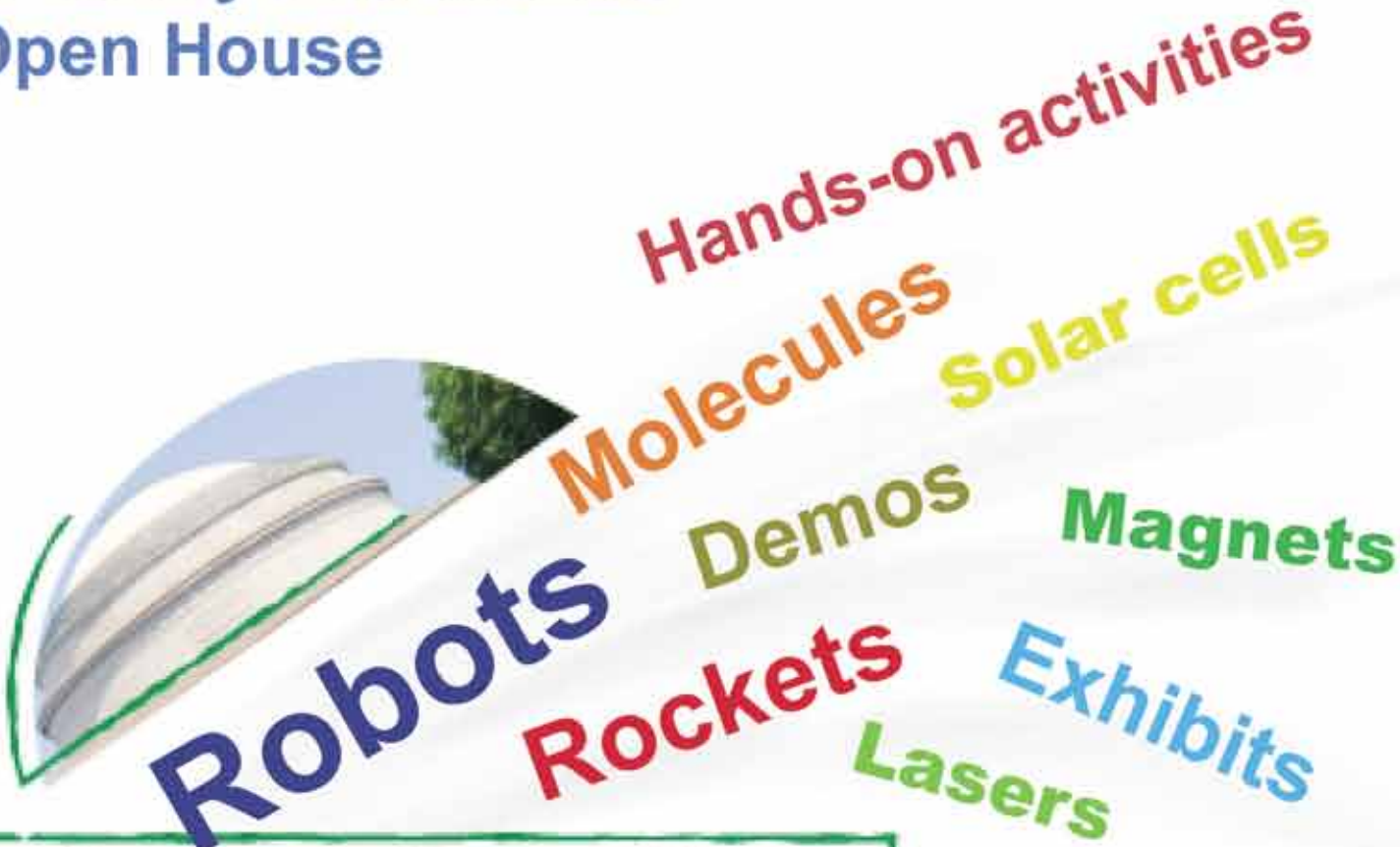


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SATURDAY APRIL 30 11AM-4PM

For a list of activities, visit mit150.mit.edu/open-house



MIT triathlon team competes at USAT Nationals

Twelve Engineers race in Alabama as team prepares for New England Season Opener

By Jim Schuchart
TEAM REPRESENTATIVE

On April 9, 12 of MIT's triathletes traveled to Tuscaloosa, Ala., to participate in the USA Triathlon (USAT) Collegiate National Championship against triathlon teams from all over the country. The Olympic-distance triathlon consisted of a 1,500-meter swim in the Black Warrior River, a 40-kilo-

meter bike, and a 10-kilometer run near the University of Alabama's campus. The MIT women's delegation was led by Shaena R. Berlin '13, who finished with a time of 2 hours, 39 minutes, 45 seconds. Only three spots behind her was Diana Siegel G with a time of 2:40:25. The team MVP award was

given to Matthieu J. Talpe '11, who finished the course with a blistering time of 2:14:30, the best time on the MIT team. Despite a cold swim to start the morning, with river temperatures around 59°F at 7 a.m., the day turned out to be a warm one. The men finished their day around 9:30 a.m. with temperatures still in the high 70s, but the women started three hours later and were

forced to battle heat and humidity throughout the race. As the sun climbed, temperatures rose to over 90°F and humidity remained high. Triathletes took extra hydration and energy gels to fight off cramps amid the brutal conditions. "It was the most exciting triathlon I've ever done, by far," claimed first-time triathlete Samuel M. Nicaise G. Overall, the weekend was heralded as a smashing success, as all

12 MIT racers finished. For the MIT Triathlon team, the National Championships marks the beginning of the race season after a long winter of indoor training. Many regional races continue throughout the summer, with the New England Season Opener kicking off the season on May 8 and the Northeast Collegiate Triathlon Conference season officially running from August to October.



Lacrosse clinches playoff spot

By Sarah Weir
TEAM REPRESENTATIVE

The MIT Women's Lacrosse team beat Wheaton 14-10 on Monday in a pivotal match on Roberts Field. The Engineers dominated in the first half, with only three turnovers and a total of 21 shots to Wheaton's 10. Kathleen M. Kauffman '12 and Laura M. Wacker '13 scored MIT's first five goals, with Wheaton's Tess



Meyer and Katie Powers each finding the goal for a 5-2 score to begin the game. However, Wheaton was then unable to respond, and the Engineers brought the half to an end with five unanswered goals and a 10-2 score. At the start of the second half, Wacker scored a quick goal, making it seem like the momentum from the first half was going to carry through. However, Wheaton came back strong and took advantage of draw controls and some turnovers by the Engineers. In 10 minutes, they man-

aged to bring the score to 13-7, but MIT was able to hold them off for the rest of the game, which ended with a final score of 14-10. As a result of this win, the Engineers have secured the third seed in the New England Women's and Men's Athletic Conference (NEW-MAC) tournament, behind first seed Springfield and second seed Babson. This Saturday, they will play in a semifinal game against Babson. If they win, they advance to the NEW-MAC finals on Sunday, which will be held at Springfield.

UPCOMING HOME EVENTS

Saturday, April 30

- Women's Openweight Crew — Beanpot Regatta
- Women's Lightweight Crew — Murl Cup
- Sailing — Geiger Cup
- Men's Tennis vs. Babson College

Sunday, May 1

- Men's Heavyweight Crew — Jablonic Cup

- 9 a.m., Charles River
- 10 a.m., Charles River
- 10 a.m., Charles River
- Noon, DuPont Courts

- 9 a.m., Charles River

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